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# Drafting Pants and Overalls

By

HARRY SIMONS

Technical Editor of "The Clothing Designer and Manufacturer," and "The Tailor Mechanic," and author of "The Science of Grading," and "Designing Overcoats."



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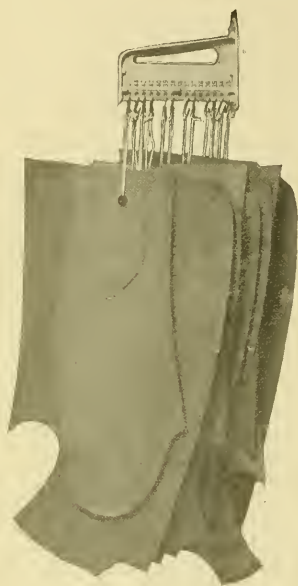
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## INTRODUCTION.

The author has long felt the need of a reliable and an efficient pants and overall system, as there are various methods of drafting pants and overalls in vogue, which give only partial satisfactory results. The system explained in this book has been thoroughly tested. The various diagrams are minutely described, and the reader will find them very simple.

This volume also contains a complete table of proportions together with the various alterations, that are used in the mail-order houses.

The purchaser of this book, after mastering the diagrams herein explained, should be able to handle any pants or overall problem that he may be confronted with.

(Signed)

HARRY SIMONS.

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## PANTS MEASUREMENTS

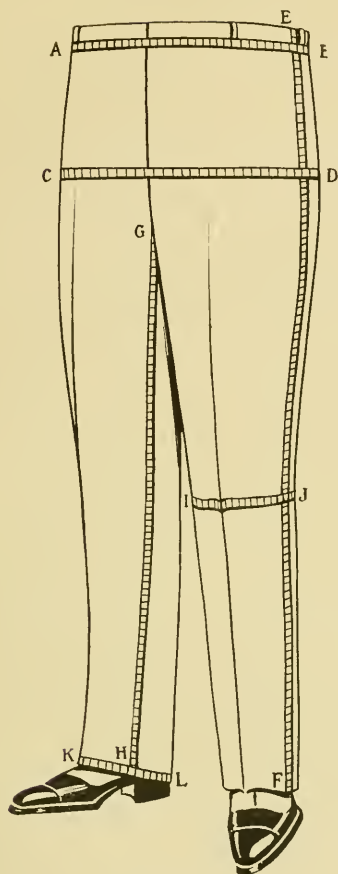


Diagram I.

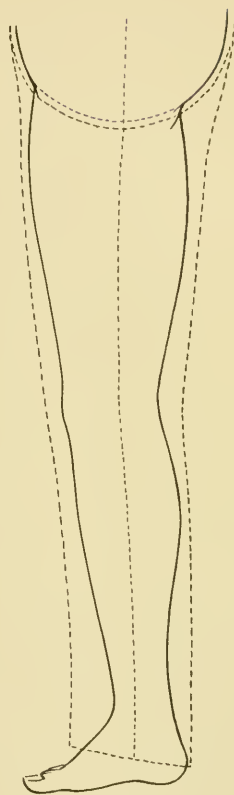


Diagram II.

## MEASUREMENTS

The illustration on this page gives you a correct idea of how the measurement should be taken for a pair of pants.

A to B is the waist measurement.

C to D is the seat measurement.

I to J is the knee measurement.

K to L is the bottom measurement.

E to F is the outside measurement. This can be taken with or without the waistband.

G to H is the inseam measurement.

The difference between the outside seam measurement and the inseam measurement is the rise.

## Diagram III and IV.

**DRAFTING THE FOREPART****Construction Lines****MEASUREMENTS**

Waist 34 inches.  
 Seat 40 inches.  
 Rise  $9\frac{1}{2}$  inches.  
 Knee 20 inches.  
 Bottom  $15\frac{1}{2}$  inches.  
 Inseam 32 inches.

**DRAFT**

Draw line ABCDEF.  
 A to C is the rise or  $9\frac{1}{2}$  inches.  
 C to F is the inseam or 32 inches.  
 E is half way between C and F.  
 D is 2 inches from E.  
 Square out from points ACDF.  
 C to G is  $\frac{1}{2}$  of seat.  
 G to H is  $\frac{1}{2}$  inch.  
 Square up from H to L.  
 G to I is  $\frac{1}{8}$  of seat.  
 I to J is  $\frac{1}{2}$  inch.  
 I to K is  $\frac{1}{2}$  inch.  
 M is half way between I and C.  
 Square up from M to N.  
 Square down from M to O.  
 H to P is  $\frac{1}{8}$  of seat.  
 Square out from P to B.  
 Draw line P-I.  
 O to R is  $\frac{1}{2}$  inch.  
 Draw line M-R-S.  
 R to T and R to U are  $\frac{1}{4}$  of knee (20 inches).  
 S to W is  $\frac{1}{4}$  of bottom ( $15\frac{1}{2}$  inches).

Draw lines K-T-V and C-U-W, which completes all the construction lines for the forepart.

The construction lines in this diagram are for the conservative styles of trousers.

**FOREPART****Conservative Trousers**

This diagram is for medium priced clothing. The style is conservative, it being neither Peg nor English.

**MEASUREMENTS**

Waist 34 inches.  
 Seat 40 inches.  
 Knee 20 inches.  
 Bottom  $15\frac{1}{2}$  inches.  
 Rise  $9\frac{1}{2}$  inches.  
 Inseam 32 inches.

**DRAFT**

Draw line ABCDE.  
 A to C is  $9\frac{1}{2}$  inches (the rise).  
 C to E is the inseam (32 inches).  
 C to D is the knee,  $\frac{1}{2}$  of the inseam less 2 inches, which in this case is 14 inches.  
 Square out from points ACDE.  
 C to F is  $\frac{1}{2}$  of the seat.  
 F to G is  $\frac{1}{2}$  inch.  
 Square up from G to H.  
 F to I is  $\frac{1}{8}$  of seat.  
 I to J is  $\frac{1}{2}$  inch.  
 I to K is  $\frac{1}{2}$  inch.  
 E is half way between I and C.  
 Square up from L to M and down from L to N.  
 G to R is  $\frac{1}{8}$  of seat.

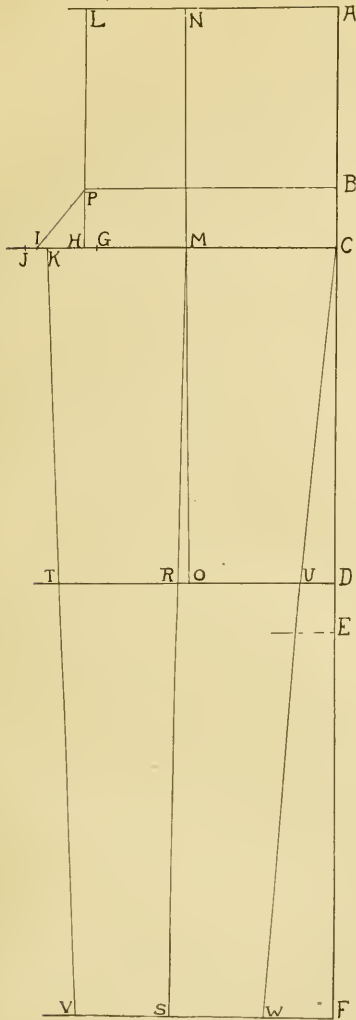


Diagram III.

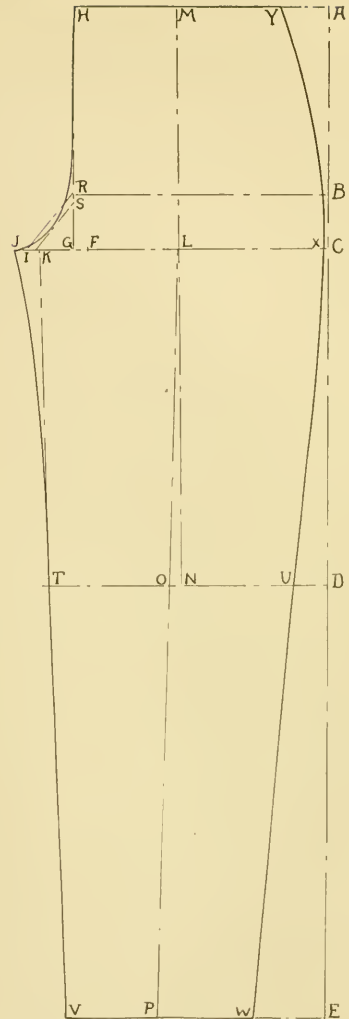


Diagram IV.

Square out from R to B.

Draw line R-I.

Draw line S, which is  $\frac{1}{4}$  inch below R-I.

M to H and M to Y are  $\frac{1}{4}$  of waist each.

Shape the front of trousers H-J.

C to X is  $\frac{1}{4}$  inch.

O to T and O to U are  $\frac{1}{4}$  of knee each.

N to O is  $\frac{1}{2}$  inch.

Draw line L-O-P.

P to V and P to W are  $\frac{1}{4}$  of bottom each.

Draw the outside seam Y-X-U-W and the inside seam J-T-V.

Draw line V-W, which completes the forepart.

Diagram V.

## REGULAR PANTS DRAFT

( Complete )

This draft is a continuation of diagram 2, showing the complete draft of forepart and back.

### MEASUREMENTS

Waist 34.  
 Seat 40.  
 Knee 20.  
 Bottom  $15\frac{1}{2}$ .  
 Rise  $9\frac{1}{2}$ .  
 Inseam 32.

### DRAFT

The forepart is drafted the same as explained in diagram 2.

### BACK

1 to 4 is  $\frac{1}{12}$  of seat.  
 4 to 5 is  $\frac{1}{2}$  inch.  
 Square down from 5 to 6.  
 5 to 6 is  $\frac{3}{8}$  inch.  
 2 is half way between J and M.  
 Draw line 3-R-2-7.  
 2 to 7 is  $2\frac{1}{2}$  inches.  
 Shape the seat 7-2-1-6.  
 B to 9 is  $1\frac{1}{4}$  inches.  
 S to J and 7 to 8 are  $\frac{1}{2}$  of waist plus  $2\frac{1}{4}$  inches,  $19\frac{1}{4}$  inches in this case.  
 11 to U is  $\frac{1}{2}$  inch.  
 W to 13 is  $\frac{1}{2}$  inch.  
 Draw line 8-9-11-13.  
 T to 10 is  $\frac{5}{8}$  inch.  
 V to 12 is  $\frac{5}{8}$  inch.  
 Draw the inseam 6-10-12, which completes the draft.

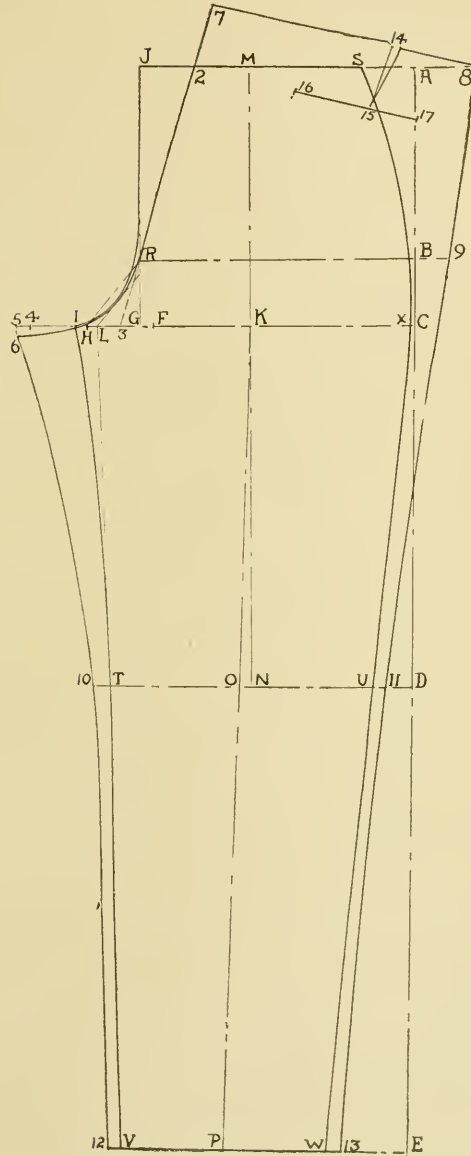


DIAGRAM V.

## DIAGRAM VI.

## STOUT PANTS

This draft is for a conservative style, and is made according to the average proportionate measurements.

## MEASUREMENTS

Waist 40.  
Seat 42.  
Rise  $10\frac{1}{2}$ .  
Knee  $20\frac{1}{2}$ .  
Bottom 16.  
Inseam 32.

## DRAFT

Draw line ABCDEF.  
A to C is  $10\frac{1}{2}$  inches.  
C to F is the inseam, 32 inches.  
E is half way between C and F.  
E to D is 2 inches.  
Square out from points A-C-D-F.  
C to H is  $\frac{1}{2}$  of seat plus  $\frac{1}{2}$  inch.  
Square up from H to N.  
G to H is  $\frac{1}{2}$  inch.  
G to I is  $\frac{1}{8}$  of seat.  
I to J and I to K are  $\frac{1}{2}$  inch each.  
L is half way between I and C.  
Square up from L to N.  
M to O and M to P are  $\frac{1}{4}$  of waist each.  
O to R is  $\frac{1}{2}$  inch.  
Draw line R-P.  
Square down from O to U.  
O to U is  $\frac{1}{6}$  of waist.  
Draw line U-H.  
H to S is  $\frac{1}{8}$  of seat.  
Square out from S to B.  
Draw line S-I.  
Shape the front R-J.  
Square down from L to W.  
B to G is  $\frac{1}{4}$  inch.  
V to X and V to Y are  $\frac{1}{4}$  of knee each.  
W to Z and W to X are  $\frac{1}{4}$  of bottom each.  
Z to 3 and 2 to 4 are  $\frac{1}{4}$  inch each.  
Shape the inseam J-X-3 and the outside seam P-6-Y-4.  
W to 5 is  $\frac{3}{4}$  inch.  
Shape the bottom 3-5-4, which completes the forepart.

## BACK

8 is half way between N and M.  
Square up from 8 to 9.  
8 to 9 is  $2\frac{1}{2}$  inches.  
Draw line 9-7-K.  
J to 11 is  $\frac{1}{12}$  of seat.  
11 to 12 is  $\frac{1}{2}$  inch.  
12 to 13 is  $\frac{3}{8}$  inch.  
Shape the seat 9-7-J-13.  
P to R plus 9 to 14 is  $\frac{1}{2}$  of waist plus  $2\frac{1}{4}$  inches.  
B to 15 is 1 inch.  
Y to 17 is  $\frac{1}{2}$  inch.  
2 to 19 is  $\frac{3}{4}$  inch.  
Shape the outside seam 14-15-17-19.  
X to 16 is  $\frac{3}{4}$  inch.  
Z to 18 is  $\frac{3}{4}$  inch.  
Shape the inseam 13-16-18.  
Shape the bottom 18-19 rounding out  $\frac{1}{2}$  inch at point W, which completes the draft.

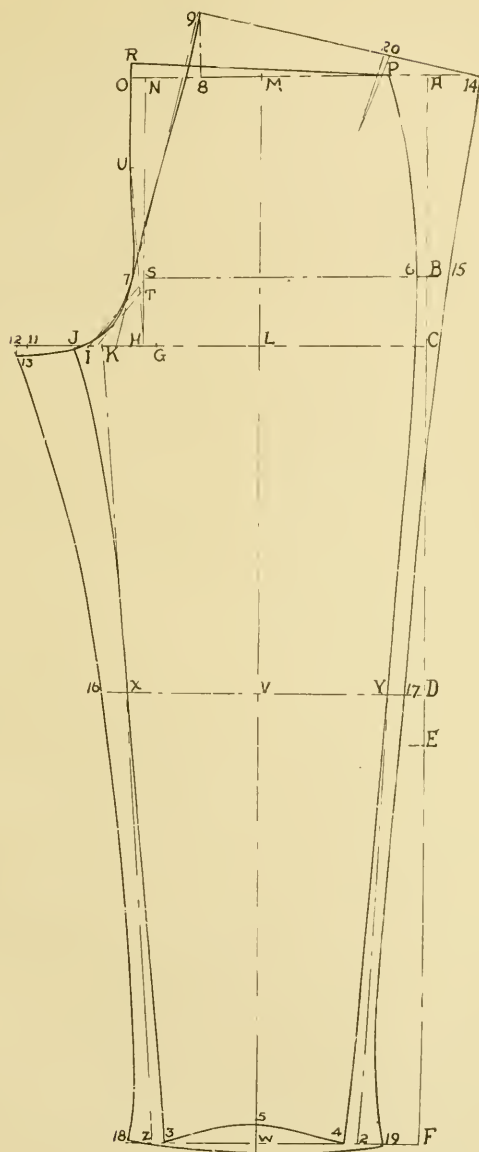


DIAGRAM VI

## Diagram VII.

## YOUNG MEN'S PANTS

This draft is for an English style, and is to be used for woolen goods only. The draft is made for a proportionate size 34.

## MEASUREMENTS

Waist 34.  
Seat 40.  
Knee 19.  
Bottom 15.  
Inseam 32.

## DRAFT

Draw line ABCD.

A to B is  $9\frac{1}{2}$  inches or the rise.

B to D is 32 inches, the inseam.

B to C is  $\frac{1}{2}$  of the inseam less 2 inches.

Square out from points ABCD.

B to E is  $\frac{1}{2}$  of 40, the seat, plus  $\frac{1}{2}$  inch.

E to 7 is  $\frac{1}{8}$  of seat.

7 to F is  $\frac{1}{2}$  inch.

H is half way between B and 7.

Square up from H to I and down from H to M.

M to N is  $\frac{1}{2}$  inch.

Draw line H-N-O.

I to J and I to K are  $\frac{1}{4}$  of waist.

E to 6 is  $\frac{1}{8}$  of 40, the seat.

Draw line 6-7.

Shape line J-F.

B to 5 is  $\frac{1}{4}$  inch.

N to P and N to Q are  $\frac{1}{4}$  of the knee, 19 inches.

O to R and O to S are  $\frac{1}{4}$  of the bottom, 15 inches, less  $\frac{1}{4}$  inch each.

Shape the inseam F-P-R and the outside seam K-5-Q-S.

O to T is  $\frac{3}{4}$  inch.

Shape the bottom R-S, which completes the forepart.

## BACK

F to G is  $\frac{1}{12}$  of seat plus  $\frac{1}{2}$  inch.

Drop point G  $\frac{3}{8}$  inch.

2 is half way between J and I.

Draw line L-6-2-Z.

2 to Z is  $2\frac{1}{2}$  inches.

K to J and Z to 3 are  $\frac{1}{2}$  of waist plus  $2\frac{1}{4}$  inches.

5 to B is 1 inch.

Shape the seat Y-G.

P to U and Q to V are  $\frac{5}{8}$  inch each.

R to W and S to X are  $\frac{7}{8}$  inch each.

Shape the inseam G-U-W and the outside seam 3-V-X.

Shape the bottom W-K.

Take  $\frac{1}{4}$  inch Vee out at point 4, which completes the draft.



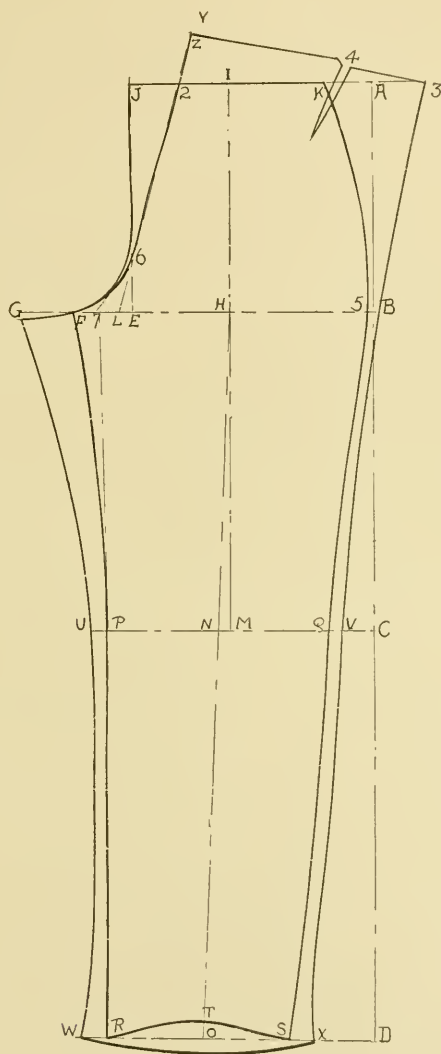


DIAGRAM VII

## Diagram VIII.

## FULL PEG PANTS

The diagram here illustrated is for full peg trousers. You will note that the inseam construction line is squared straight down from point J on the seat line. This gives you the extra length on the outside seam that is required in a full peg trousers.

## MEASUREMENTS

Waist 34.  
 Seat 40.  
 Inseam 42.  
 Rise 9.  
 Knee 22.  
 Bottom 16.

## DRAFT

Draw line ABCDE.  
 A to C is 9 inches.  
 C to D is  $\frac{1}{2}$  of inseam less 2 inches.  
 C to E is 32 inches, the inseam.  
 Square out from points ABCDE.  
 C to F is  $\frac{1}{2}$  of seat.  
 F to G is  $\frac{1}{2}$  inch.  
 Square up from G to L.  
 F to H is  $\frac{1}{8}$  of seat.  
 H to I is  $\frac{1}{2}$  inch.  
 H to J is  $\frac{1}{2}$  inch.  
 K is half way between H and C.  
 Square up from K to M.  
 M to L and M to N are  $\frac{1}{4}$  of waist each.  
 G to S is  $\frac{1}{8}$  of seat.  
 Draw line H-S.  
 Line T is  $\frac{1}{4}$  inch from line H-S.  
 Draw line L-I.  
 C to R is  $\frac{1}{2}$  inch.  
 Square down from J to P.  
 C to V is  $\frac{1}{2}$  of 22, the knee.  
 P to U is  $\frac{1}{2}$  of 16, the bottom.  
 Shape the outside seam N-R-V-U.  
 Shape the inside seam H-O-P.  
 Draw the bottom P-U, which completes the forepart.

## BACK

2 is half way between M and L.  
 Draw line 2-S-6.  
 2 to 3 is  $2\frac{1}{2}$  inches.  
 1 to 8 is  $\frac{1}{12}$  of seat plus  $\frac{1}{2}$  inch.  
 8 to 9 is  $\frac{3}{8}$  inch.  
 Shape the seat 3-S-9.  
 LN plus 3-4 is  $\frac{1}{2}$  of seat plus  $2\frac{1}{4}$  inches,  $19\frac{1}{4}$  inches in this case.  
 B to 10 is  $2\frac{1}{2}$  inches.  
 V to 12 is  $\frac{1}{2}$  inch.  
 U to 14 is  $\frac{1}{2}$  inch.  
 Shape the outside seam 4-12-14.  
 O to 11 is  $\frac{3}{4}$  inch.  
 P to 13 is  $\frac{3}{4}$  inch.  
 Shape the inseam 9-11-13, which completes the draft.



## Diagram IX.

## WORK PANTS

This draft is especially adapted for khak and all cotton materials.

## MEASUREMENTS

Waist 34.  
 Seat 40.  
 Rise  $10\frac{1}{2}$ .  
 Knee 21.  
 Bottom 17.  
 Inseam 32.

## DRAFT

Draw line ABCD.  
 A to B is  $10\frac{1}{2}$  inches.  
 B to C is 2 inches less than  $\frac{1}{2}$  of the inseam.  
 B to D is 32 inches, the inseam.  
 Square out from points ABCD.  
 B to F is  $\frac{1}{2}$  of seat plus  $\frac{1}{2}$  inch.  
 Square up from F to N.  
 F to H is  $\frac{1}{8}$  of seat.  
 H to G is  $\frac{1}{2}$  inch.  
 I is half way between G and B.  
 Square up from I to J.  
 J to N and J to O are  $\frac{1}{4}$  of 17 each.  
 F to 2 is  $\frac{1}{8}$  of seat.  
 Draw line 2-G.  
 Shape N-H.  
 Square down from I to K.  
 K to L is  $\frac{1}{4}$  inch.  
 Draw line I-L-M.  
 M to R and M to S are  $\frac{1}{4}$  of bottom each.  
 L to P and L to Q are  $\frac{1}{4}$  of knee each.  
 Shape the inseam H-P-R and the outside seam O-B-Q-S, which finishes the forepart.

## BACK

T is half way between N and J.  
 G to V is  $\frac{3}{4}$  inch.  
 Draw line U-T-V.  
 T to U is  $2\frac{1}{2}$  inches.  
 H to W is  $1\frac{1}{2}$  of seat.  
 W to X is  $\frac{1}{2}$  inch.  
 X to Y is  $\frac{3}{8}$  inch.  
 Shape the seat U-T-Y.  
 O to N plus U to Z is  $\frac{1}{2}$  of waist plus  $1\frac{1}{2}$  inches.  
 P to 4 and Q to 5 are  $\frac{5}{8}$  inch each.  
 R to 6 and S to 7 are  $\frac{5}{8}$  inch each.  
 Draw the in seam Y-4-6 and the outside seam Z-5-7, which completes the draft.

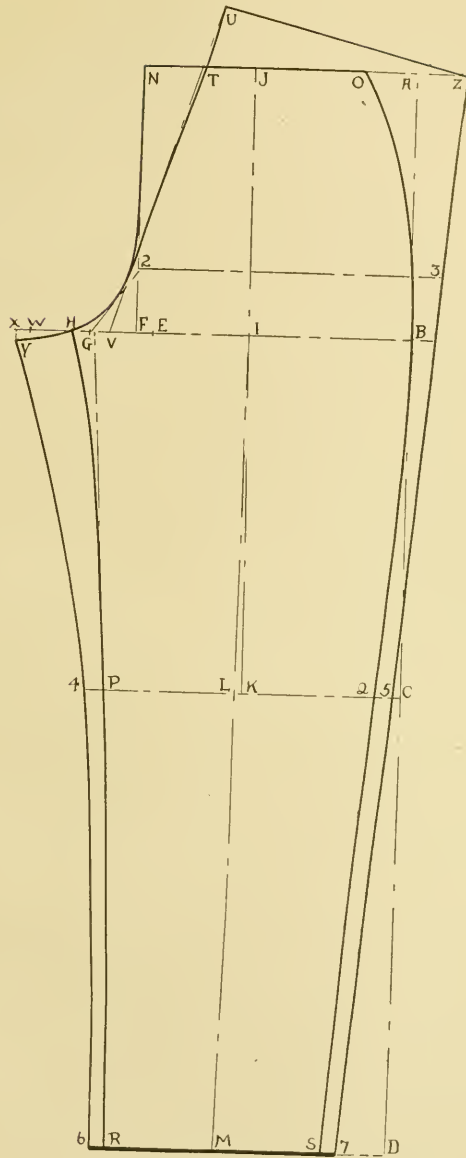


DIAGRAM IX

## Diagram X.

## BOW-LEGGED AND KNOCK-KNEED

This illustration shows the variation from the regular draft that is used in producing trousers for bow-legged and knock-kneed. The dotted line shows the change for bow-legs. The dot and dash line shows the change for knock-knees.

## EXPLANATION

*Bow-Legged*

Move the center line in  $1\frac{1}{2}$  inches from M to 10.

10 to 11 and 10 to 12 are  $\frac{1}{4}$  of the bottom each.

15 to 16 and 15 to 18 are  $\frac{1}{4}$  of the knee each.

Shape the inseam -16-11 and the outside seam B-Q-12, which finishes the forepart.

## DRAFT

16 to 17 is  $\frac{3}{4}$  inch.

18 to 19 is  $\frac{1}{2}$  inch.

11 to 13 is  $\frac{3}{4}$  inch.

12 to 14 is  $\frac{1}{2}$  inch.

Shape the inseam Y-17-13 and the outside seam 3-19-14, which finishes the back.

*Knock-Kneed.*

Move the center line  $1\frac{1}{2}$  inches out from M to 20.

20 to 22 and 20 to 23 are  $\frac{1}{4}$  of the bottom each.

24 to 25 and 24 to 26 are  $\frac{1}{2}$  of the knee each.

Shape the inseam H-25-22 and the outseam B

-26-23, which completes the forepart.

## BACK

The same measurements are allowed for seams on the back of the knock-kneed as for the bow-legged.

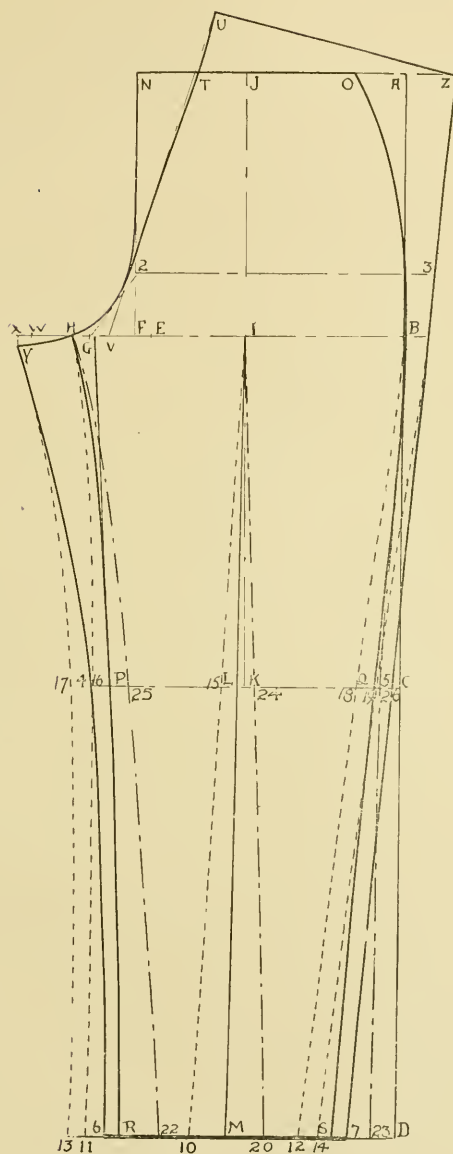


DIAGRAM N

## Diagram XI.

## OVERALL DRAFT

This overall is made with a side seam, and is drafted 2 sizes larger than the regular pants measurement at the waist and seat.

## MEASUREMENTS

Waist 34.  
 Seat 40.  
 Knee  $20\frac{1}{2}$ .  
 Bottom 19.  
 Rise  $10\frac{1}{2}$ .  
 Inseam 32.

## DRAFT

Draw line ABCDE.  
 C to G is  $\frac{1}{2}$  of 21.  
 G to H is  $\frac{1}{2}$  inch.  
 Square up from H to N.  
 G to I is  $\frac{1}{8}$  of seat.  
 I to J is  $\frac{1}{2}$  inch.  
 H to 6 is  $\frac{1}{8}$  of seat.  
 Square out from point 6 to B.  
 Draw line 6-I.  
 F is half way between I and C.  
 Square up from F to K and down from F to M.  
 Shape line N-J.  
 R to L and R to Q is  $\frac{1}{4}$  of knee each.  
 M to S and M to T are  $\frac{1}{4}$  of bottom each.  
 Shape the inseam J-R-S and the outside seam A-Q-T.  
 N to O is  $\frac{1}{2}$  of waist, which completes the front.

## BACK

W is half way between N and K.  
 Draw line J-W-X.  
 W to X is 3 inches.  
 O to N plus X to Y is  $\frac{1}{2}$  of waist plus  $1\frac{1}{8}$  inches.  
 J to V is  $\frac{1}{12}$  of 21 plus  $\frac{1}{2}$  inch.  
 V to 9 is  $\frac{3}{8}$  inch.  
 Shape the seat X-9.  
 R to 2 is 1 inch.  
 S to 4 is 1 inch.  
 Shape the inseam 9-2-4.  
 B to Z is  $1\frac{1}{4}$  inches.  
 Q to 3 is  $\frac{1}{2}$  inch.  
 T to 5 is  $\frac{1}{2}$  inch.  
 Draw the outside seam Y-T-5, which completes the draft.



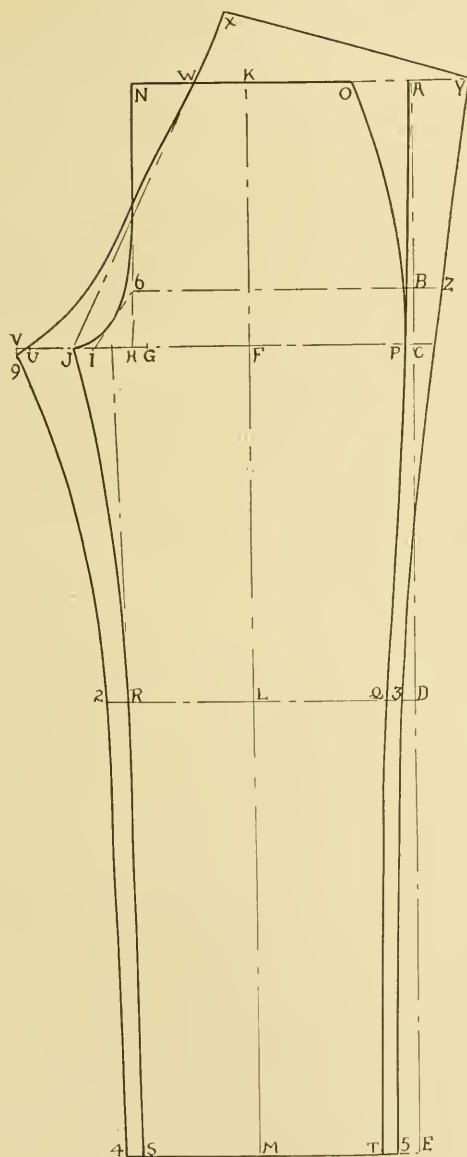


DIAGRAM XI

## Diagram XII.

## APRON OVERALL

This overall is made with a side seam and bib, as illustrated. The draft is made 2 sizes larger at the waist and seat than the actual measurements. It is especially adapted for the better grade goods.

## MEASUREMENTS

Waist 34.  
Rise 11.  
Seat 40.  
Knee 21.  
Bottom 19.  
Inseam 32.

## DRAFT

Draw line ABEFG.  
A to B is 11 inches.  
B to E is 2 inches less than  $\frac{1}{2}$  of the inseam.  
B to F is the inseam, 32 inches.  
F to G is 1 inch for turn-up.  
Square up from points ABEFG.  
B to H is  $\frac{1}{2}$  of 21.  
Square up from H to L.  
H to I is  $\frac{1}{8}$  of 21.  
I to J is  $\frac{1}{2}$  inch.  
I to 20 is  $1\frac{1}{2}$  inches.  
M is half way between H and B.  
Square down from M to N.  
H to U is  $\frac{1}{8}$  of 21.  
Draw line U-I.  
Shape the front L-J.  
E to U is 11 inches.  
F to O is  $10\frac{1}{4}$  inches.  
Draw the inseam J-U-O, which completes the front.

## BIB

Square up from L to 16.  
L to 16 is 11 inches.  
16 to 17 is  $5\frac{1}{2}$  inches.  
A to 14 is  $1\frac{3}{4}$  inches.  
Draw lines 16-17, 17-14, 13-14, and 14-A.

## BACK

L to Y is  $\frac{1}{12}$  of waist.  
U to Z is  $\frac{1}{12}$  of 21.  
Draw line Y-Z.  
J to W is  $\frac{1}{12}$  of 21 plus  $\frac{1}{2}$  inch.  
W to 1 is  $\frac{1}{2}$  inch.  
Y to 2 is  $5\frac{1}{2}$  inches.  
Draw the seat, 2-Z-1.  
U to 19 is  $\frac{1}{2}$  inch.  
Shape the inseam 1-19-1.  
A to 4 is  $1\frac{1}{2}$  inches.  
Draw line 4-F.  
2 to 3 is 3 inches.  
Shape 3-14.  
5 to 7 and 6 to 8 are 1 inch each.  
7 to 8 is  $8\frac{1}{2}$  inches.  
A to 10 is  $4\frac{1}{2}$  inches.  
A to 6 is  $6\frac{1}{2}$  inches.

## POCKETS

Make the back pocket 6 inches wide and 7 inches deep.  
Make the pocket on bib 5 inches wide and 6 inches deep.  
Make the lower side pocket  $6\frac{1}{2}$  inches deep and  $3\frac{1}{2}$  inches wide.

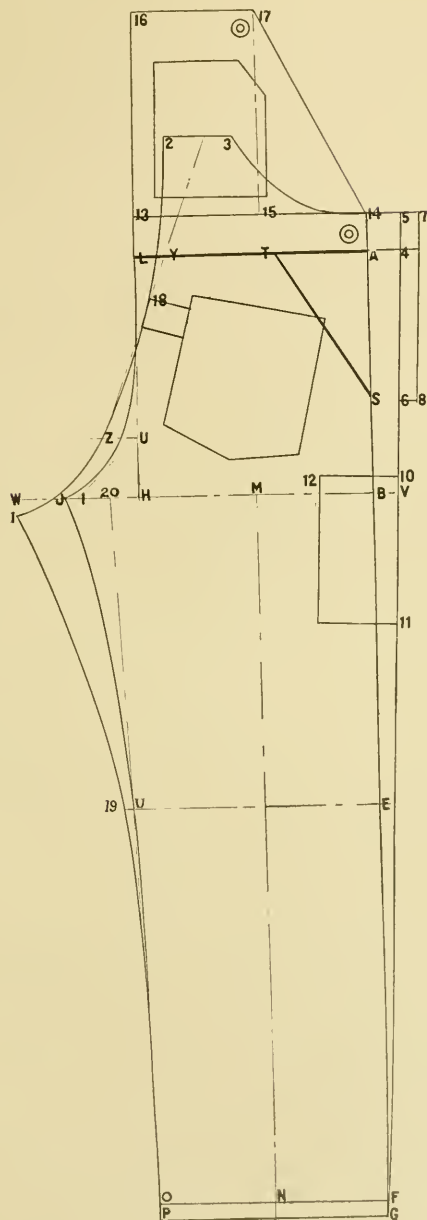


DIAGRAM XII

## Diagram XIII.

## ONE-PIECE OVERALL

This draft is for a cheap grade of overalls. It is made without any side-seam. The draft is made 2 sizes larger than the regular pants measurements across the seat and waist.

## MEASUREMENTS

Waist 34.  
 Seat 40.  
 Knee 20.  
 Bottom 18½.  
 Rise 10½.  
 Inseam 32.

## DRAFT

Draw line ABCD.  
 A to B is 10½ inches.  
 B to D is the inseam, 32 inches.  
 B to C is ½ of the inseam less 2 inches, 14 inches in this case.  
 Square out from points B, C and D.  
 B to E is ½ of 21.  
 E to F is ⅛ of 21 less ¼ inch.  
 Square down from F to G.  
 F to G is 1/12 of 21.  
 Draw line B-G-R.  
 J is half way between G and B.  
 Square up from J to K.  
 J to K is 10½ inches.  
 Draw line A-K-I.  
 K to I is ¼ of 18.  
 Square up from H to I.  
 H to L is ⅛ of 21.  
 Draw line L-G.  
 Line M-N is ¼ inch from L-G.  
 Shape the front I-G.  
 2 to O is 1 inch.  
 Draw line C-O-P.  
 3 to Q is 1 inch.  
 8—DESIGNER 1800 Martin May 17 .. . . .  
 Draw line D-Q-T.  
 C to O is ½ of the knee.  
 D to Q is ½ of bottom.  
 Shape the inseam G-O-Q, which finishes the forepart.

## BACK

1A plus AT is ½ of 36 plus 1⅛ inches, 19½ inches in this case.  
 Square up from T to U.  
 T to U is 3 inches.  
 Draw line U-A.  
 G to R is 1/12 of 21.  
 R to S is ¼ inch.  
 Draw line U-R-S.  
 Shape the seat U-S.  
 O to P is ¾ inch.  
 Q to T is ¾ inch.  
 Shape the inseam S-T, which completes the draft.

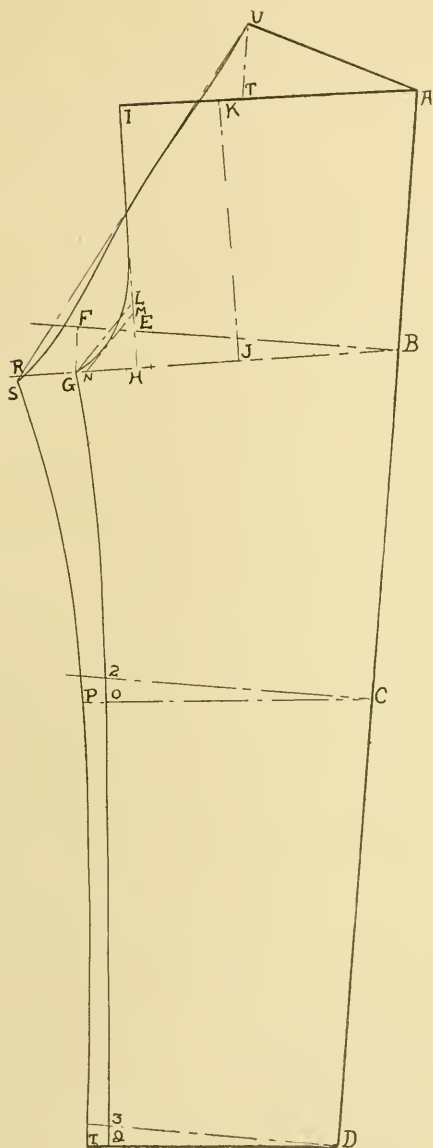


DIAGRAM XIII

Diagram XIV.  
**MAIL ORDER CHANGES**  
**Lowering and raising the rise**

Diagrams A and B show exactly how to lower the rise 1 inch and raise the rise 1 inch.

FOREPART. (*Diagram B.*)

A to 1 and B to 2 are 1 inch each.

A to 3 and B to 4 are 1 inch each.

Line 1-2 and line 3-4 are the same length as line A-B. In other words square up and down from points B and A. Then reshape the side-seam as illustrated.

BACK. (*Diagram A.*)

Extend line A to 1.

Square up and down from point C to 3 and 6.

A to 1, B to 2 and C to 3 are 1 inch each.

A to 4, B to 5 and C to 6 are 1 inch each.

Reshape the side-seam, as illustrated.

CONTINUOUS WAISTBAND. (*Diagrams C and D.*)

1 to 3 is  $1\frac{3}{4}$  inches.

2 to 4 is  $1\frac{3}{4}$  inches.

BACK. (*Diagram C.*)

6 to 3 is  $1\frac{3}{4}$  inches.

2 to 5 is  $1\frac{3}{4}$  inches.

1 to 4 is  $1\frac{1}{2}$  inches.

CUFF BOTTOMS. (*Diagrams F and G*)

FOREPART. (*Diagram G*)

Square down from A to 1 and B to 2.

A to 1 is 5 inches.

B to 2 is 5 inches.

A to 3 and 3 to 5 are 2 inches each.

B to 4 and 4 to 6 are 2 inches each.

4 to 8 and 3 to 7 are  $\frac{1}{4}$  inches each.

1 to 9 and 2 to 10 are  $\frac{1}{4}$  inches each.

Reshape the bottom A-7-5-9 and B-8-6-10, as illustrated.

BACK. (*Diagram F*)

Square down from A to 1 and B to 2.

A to 1 is 5 inches and B to 2 is 5 inches.

A to 3 and 5 to 5 are 2 inches each.

3 to 7 and 4 to 8 are  $\frac{1}{4}$  inch. each.

1 to 9 and 2 to 10 are  $\frac{1}{4}$  inch each.

Reshape the bottom A-7-9 and B-8-10.

DRESS. (*Diagram E.*)

B to 2 is  $\frac{5}{8}$  inch.

C is the notch.

A to 1 is  $\frac{1}{8}$  inch.

Draw line 1-2-3.

FLY (*Diagram I.*)

AB is the forepart.

1 to 2 is 2 inches.

3 to 4 is  $1\frac{1}{4}$  inches.

Draw lines 1-3 and 2-4.

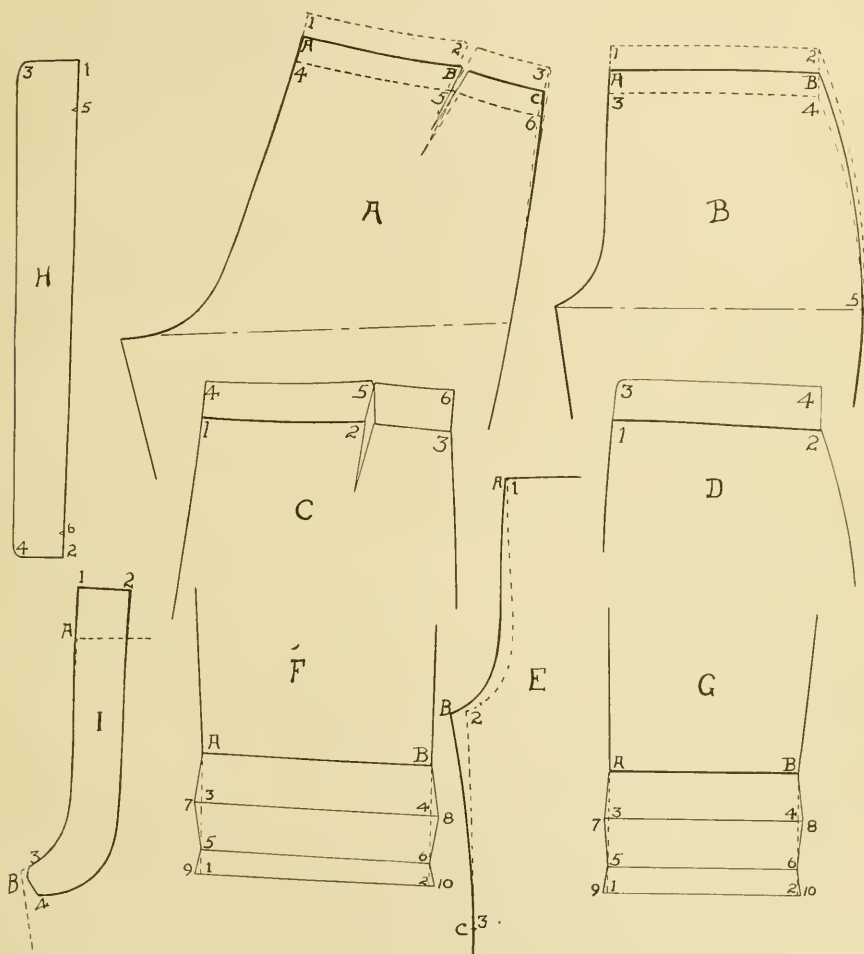


DIAGRAM XIV

# WAISTBAD (Diagram H.)

Draw line 1-2.

1 to 5 is 2 inches.

5 to 6 is  $\frac{1}{2}$  of the waistband measure.

6 to 2 is 1 inch.

Square up from 1 to 3 and up from 2 to 4.

1 to 3 is  $2\frac{1}{2}$  inches.

2 to 4 is 2 inches.

Draw lines 1-3, 3-4, and 4-2.

**I**N cutting pants pockets, the width, depth and shape, should be considered. They should be cut exact so as to eliminate any possible waste.

Most trimmers cut their front pockets, 14" x 14" and back pockets 7" x 18". As pocketing comes 28" wide, the goods is split up to these measurements and distributed to the tailors. The pants tailor then becomes the designer and the pockets are shaped according to his taste. The result is that the pockets do not hang correctly and they are not uniform.

It is very important that the front pockets be shaped correctly. The top of pocket should be hollowed out, as shown in the accompanying diagram. This gives the pocket the proper hang and balance.

The front pockets should be sewed in the pants 1 inch from waistband and opening should be 5½ inches.

The back pockets should be sewed in 3½ inches from top of waistband and opening should be 5½ inches.

#### *Cash Pockets.*

##### *Diagram C.*

A to B is 4 inches.

A to C is 8 inches.

##### *Diagram D. Side Pieces.*

A to B is 1½ inches.

A to C is 8 inches.

##### *Front Pocket Lay Showing A Saving Of Side Pieces And Watch Pockets.*

A. Front Pockets.

C. Watch Pockets.

D. Side Pockets.

##### *Diagram F.*

##### *Back Pockets and Watch Pockets.*

B. Back Pockets.

C. Watch Pockets.

#### *Front Pockets.*

##### *Diagram A.*

A to D is 14 inches.

A to H is 14 inches.

A to B is 2½ inches.

C to D is 2½ inches.

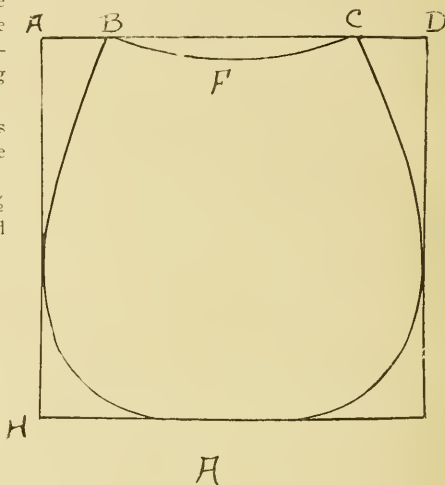
B C is hollowed out 1 inch at point F.

Shape Pocket as shown.

#### *Back Pockets.*

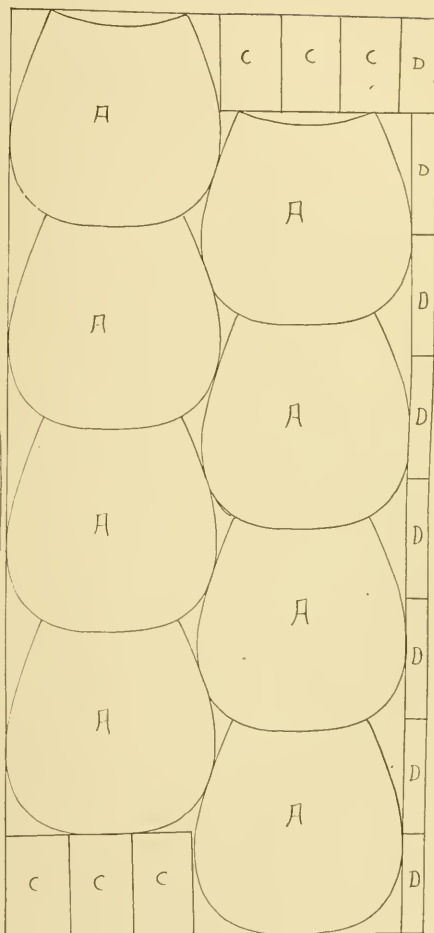
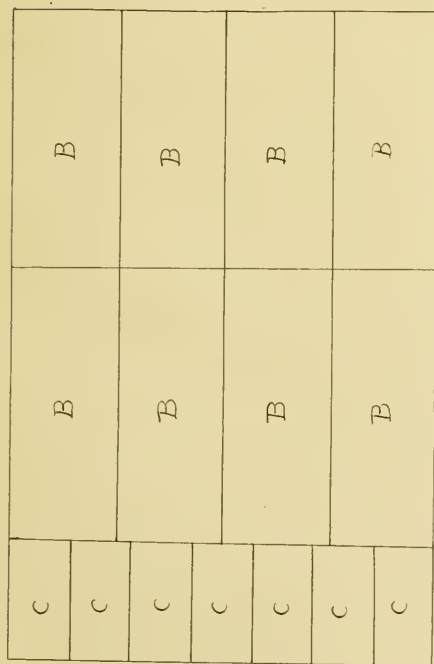
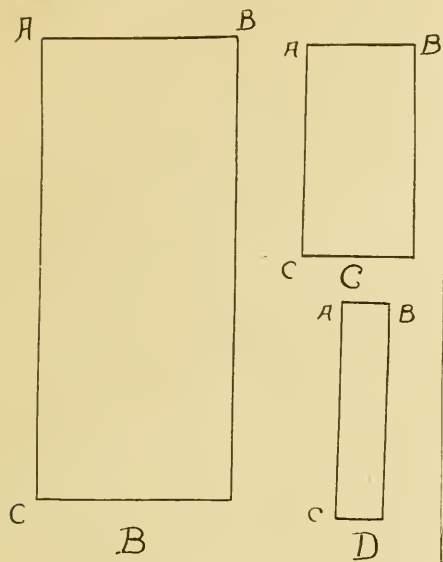
A to B is 7 inches.

A to C is 17 inches.



Note—Back Pockets are only 17 inches long on account of pocket being 3½ inches from top of waistband. This gives you the same depth as 18 inch pocket which is set in 4½ inches from top.





## Diagram XV.

## RIDING BREECHES

## MEASUREMENTS

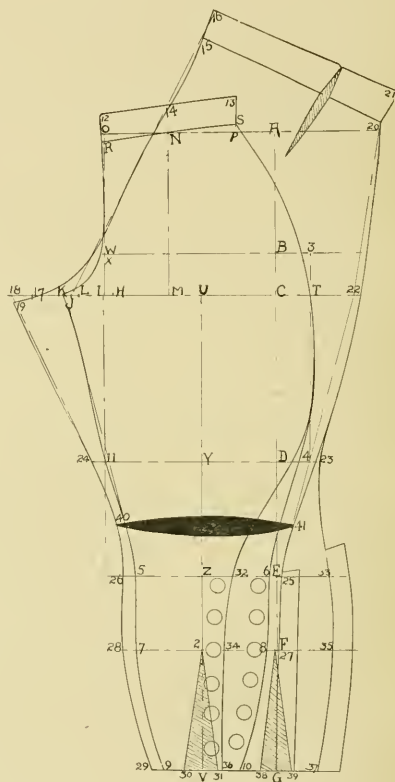
Waist 34.  
 Seat 40.  
 Knee 16.  
 Calf  $12\frac{1}{2}$ .  
 Shank  $10\frac{1}{2}$ .  
 Rise 10.

## DRAFT

Draw line ABCDEFG.  
 A to C is 10 inches.  
 A to D is 20 inches.  
 D to E is 7 inches.  
 D to F is  $11\frac{1}{2}$  inches.  
 D to G is 19 inches.  
 Square out from points ABCDEFG.  
 C to H is  $\frac{1}{2}$  of seat.  
 H to I is  $\frac{1}{2}$  inch.  
 Square up from I to O and down from I to 26.  
 H to J is  $\frac{1}{8}$  of seat.  
 J to K and J to L are  $\frac{1}{2}$  inch each.  
 M is half way between J and C.  
 Square up from M to N.  
 N to O and N to P are  $\frac{1}{4}$  of waist each.  
 O to R is  $\frac{1}{2}$  inch.  
 P to S is  $\frac{1}{2}$  inch.  
 Draw line S-T.  
 I to W is  $\frac{1}{8}$  of seat.  
 Square out from W to 3.  
 Draw line W-J.  
 XL is  $\frac{1}{4}$  inch from W-J.  
 Shape the front R-K.  
 C to T is 2 inches.  
 Square up from T to 3 and down from T to 4.  
 M to U is 2 inches.  
 Square down from U to V.  
 Z to 5 and Z to 6 are  $\frac{1}{4}$  of knee each.  
 2 to 7 and 2 to 8 are  $\frac{1}{4}$  of calf each.  
 V to 9 and V to 10 are  $\frac{1}{4}$  of shank each.  
 Shape the outside seam 3-T-6-8-10.  
 Shape the inside seam K-11-5-7-9.  
 Add  $1\frac{1}{2}$  inch waistband, which completes the forepart.

## BACK

N to line 14-I is 1 inch.  
 Draw line J-14-15-16.  
 14 to 15 is  $\frac{1}{4}$  of waist.  
 15 to 16 is  $1\frac{1}{2}$  inches.  
 K to 17 is  $\frac{1}{12}$  of seat.  
 17 to 18 is 1 inch.  
 18 to 19 is  $3\frac{1}{8}$  inches.  
 Shape the seat 16-15-14-17-19.  
 R-S plus 15-20 is  $\frac{1}{2}$  of waist plus  $2\frac{1}{2}$  inches.  
 Take out  $\frac{1}{2}$  inch Vee, as illustrated.  
 T to 22 is  $2\frac{3}{4}$  inches.  
 R to 23 is  $\frac{1}{2}$  inch.  
 6 to 25 is  $\frac{1}{2}$  inch.  
 8 to 27 is  $\frac{1}{2}$  inch.  
 10 to G is  $2\frac{3}{4}$  inches.  
 11 to 24 is  $\frac{5}{8}$  inch.  
 5 to 26, 7 to 28, and 9 to 29 are  $\frac{1}{2}$  inch each.  
 Shape the inseam and the outside seam, as illustrated.  
 Take out  $1\frac{1}{2}$  inch Vee from 30 to 31



## FOR FRONT BUTTONING

Take off from the forepart 6 to 32, 8 to 34, which are  $2\frac{1}{4}$  inches each, 10 to 36, which is  $1\frac{1}{4}$  inches. Add this to the back from 25 to 33, and 27 to 35.

G to 37 add  $2\frac{3}{4}$  inches.

Take out  $1\frac{1}{2}$  inch Vee from 38 to 39, as illustrated.

Take out 1 inch Vee from back from 30 to 40, as shown on diagram.



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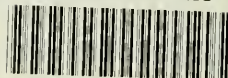
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